

We Claim:

1. A fluid transfer system comprising:

a fluid container configured to receive a liquid;

means for pressurizing the liquid in the container, comprising a deformable envelope defining a space for receiving a gas, a deformation of the envelope effecting a contraction of the space to a contracted condition, such that, when the space includes the gas, the deformation of the envelope results in the contraction of the space to effect a transfer of at least a portion of the gas to the container to thereby effect pressurization of the liquid in the container;

a dispensing nozzle including:

a fluid passage having a nozzle inlet, a nozzle outlet, and an orifice for effecting fluid communication between the nozzle inlet and the nozzle outlet, the orifice being defined by a valve seat, the nozzle inlet fluidly communicating with the container for effecting a discharge of the liquid from the container;

a sealing member biased into sealing engagement with the valve seat for sealing fluid communication between the nozzle inlet and the nozzle outlet; and

a manually operated actuator for effecting displacement of the sealing member from the valve seat to effect fluid communication between the nozzle inlet and the nozzle outlet.

2. The fluid transfer system as claimed in claim 1, wherein the discharge of the liquid from the container is effected when the sealing member is displaced from the valve seat.

3. The fluid transfer system as claimed in claim 2, wherein the pressurization is effected while the sealing member is sealingly engaged to the valve seat.

- 5 4. The fluid transfer system as claimed in claim 3, wherein the means for pressurizing the liquid in the container includes a first valve means being biased by a first biasing force to assume a normally closed condition, whereby fluid communication between the space and the container is sealed, the first valve means being configured to assume an open condition, whereby fluid communication is effected between the space and the container to effect the transfer of the at least a portion of the gas from the space to the container, when the contraction of the space effects a fluid pressure differential force between the space and the container to overcome the biasing force.
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- 15 5. The fuel transfer system as claimed in claim 4, wherein the deformable envelope is resilient.

6. The fluid transfer system as claimed in claim 5, wherein the means for pressurizing includes:

an inlet configured to effect supply of the gas to the space; and

- 20 a second valve means being biased by a second biasing force to assume a normally closed condition, whereby fluid communication between the space and the inlet is sealed, the second valve means being configured to assume an open condition, whereby fluid communication is effected between the inlet and the space to effect a transfer of at least a second portion of the gas from the inlet to the space, when the expansion of the space from the contracted condition effects a fluid pressure
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differential force between the inlet and the space to overcome the second biasing force.

- 5 7. The fluid transfer system as claimed in claim 6, wherein each of the first valve means and the second valve means is a non-return valve.
8. The fluid transfer system as claimed in claim 7, wherein each of the first valve means and the second valve means is a flapper valve.
- 10 9. The fluid transfer system as claimed in claim 8, wherein the discharge of the liquid from the container is effected by a fluid pressure differential between the container and the nozzle outlet.
- 15 10. The fluid transfer system as claimed in claim 9, wherein the container includes a container inlet and a container outlet, the container inlet fluidly communicating with the means for pressurizing via a first conduit, the container outlet fluidly communicating with the nozzle inlet via a second conduit.
- 20 11. The fuel transfer system as claimed in claim 10, wherein the second conduit includes a first flexible hose.
12. The fuel transfer system as claimed in claim 11, wherein the first conduit includes a second flexible hose.

13. The fuel transfer system as claimed in claim 12, wherein the container includes a vent.

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